517, 921

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 03/107535 A1

(71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and
(75) Inventor/Applicant (for US only): BREKELMANS, Johannes, H., A. [NL/NL]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: STEENBEEK, Leonardus, J.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

[Continued on next page]

(54) Title: RECEIVER AND TUNER WITH ELECTRONICALLY TUNED FILTER
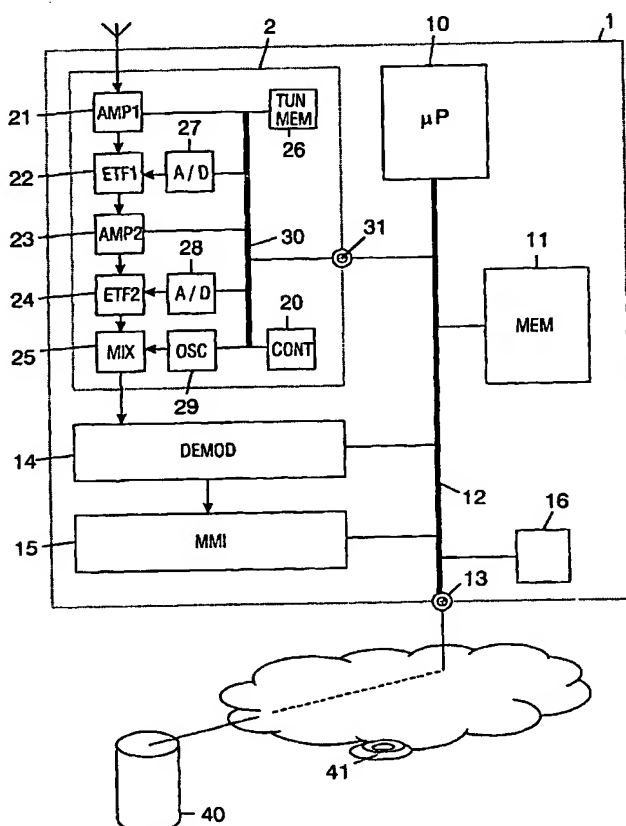
(57) Abstract: Tuners (2) comprising electronically tuned filters (22,24) like varicap tuned coil-capacitor tank circuits need to be electronically calibrated, without receivers (1) being near. To store calibration signals, said tuners (2) need memories, which do not go well with high-frequency technology. By providing tuners (2) with identifiers for identifying database fields in databases (40) situated outside receivers (1), calibration signals resulting from calibration processes can be downloaded for calibrating the electronically tuned filter (22,24) after installment in the receiver (1) and without the tuner (2) requiring any memory. Preferably, the receiver (1) comprises a receiver memory (11) located outside the tuner (2) for storing the calibration signal after downloading, and the database (40) is coupled to a network (41), like the internet or an intranet, with the receiver (1) comprising an in/output to be coupled to the network (41), and with the database (40) being a server. The tuner (2) comprises a digital-to-analog converter (27,28) for converting the digital calibration signal into an analog calibration signal.

WO 03/107535 A1